

PLAN OF IMPROVEMENTS FOR:

CONNECTOR ROAD BETWEEN HANGAR
ACCESS ROAD AND T-HANGARS

CITY OF MUSCATINE, IOWA

IDOT PROJECT NUMBER 91150MUT100

IDOT CONTRACT NUMBER 16586

CITY OF MUSCATINE

CITY HALL

215 SYCAMORE STREET
Muscatine, Iowa 52761-3899

BUILDING & ZONING DEPARTMENT

Phone (563) 262-4141
FAX (563) 262-4142

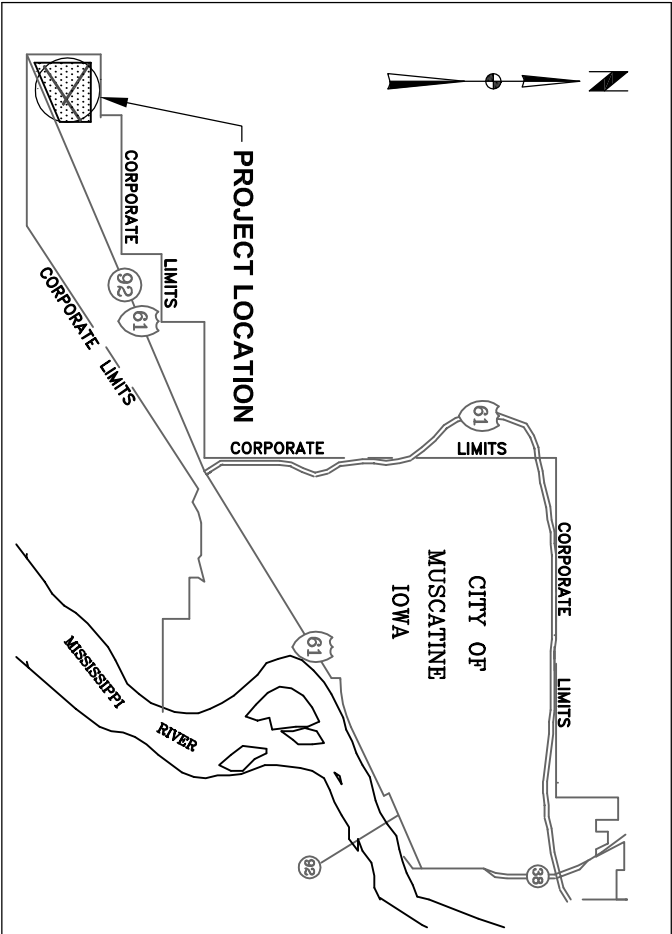
MUSCATINE MUNICIPAL AIRPORT

Phone (563) 263-8672
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PROJECT ENGINEER

ANDERSON BOGERT
4001 River Ridge Dr. NE
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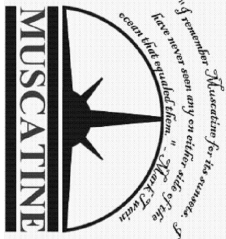
Phone (319) 377-4629
FAX (319) 377-8498



LOCATION MAP

NOT TO SCALE

PLANS PREPARED FOR:



CITY COUNCIL:

MAYOR: DeWayne Hopkins
1ST WARD: Philip Fitzgerald
2nd WARD: Michael Rehwaldt
3rd WARD: Tom Spread
4th WARD: Bob Bynum
5th WARD: Jeanette Phillips
AT LARGE: Scott Natvig
AT LARGE: Osama Shihadeh

AIRPORT ADVISORY COMMISSION:

Steve Bradford
Bill Leddy
Stacy Lewis
Scott Natvig
Jerry Page, Chairman
Janet Lewis, Airport Manager
Mike Woerly, Line Manager
Adam Thompson,
Community Development
Coordinator

PLANS PREPARED BY:

ANDERSON BOGERT

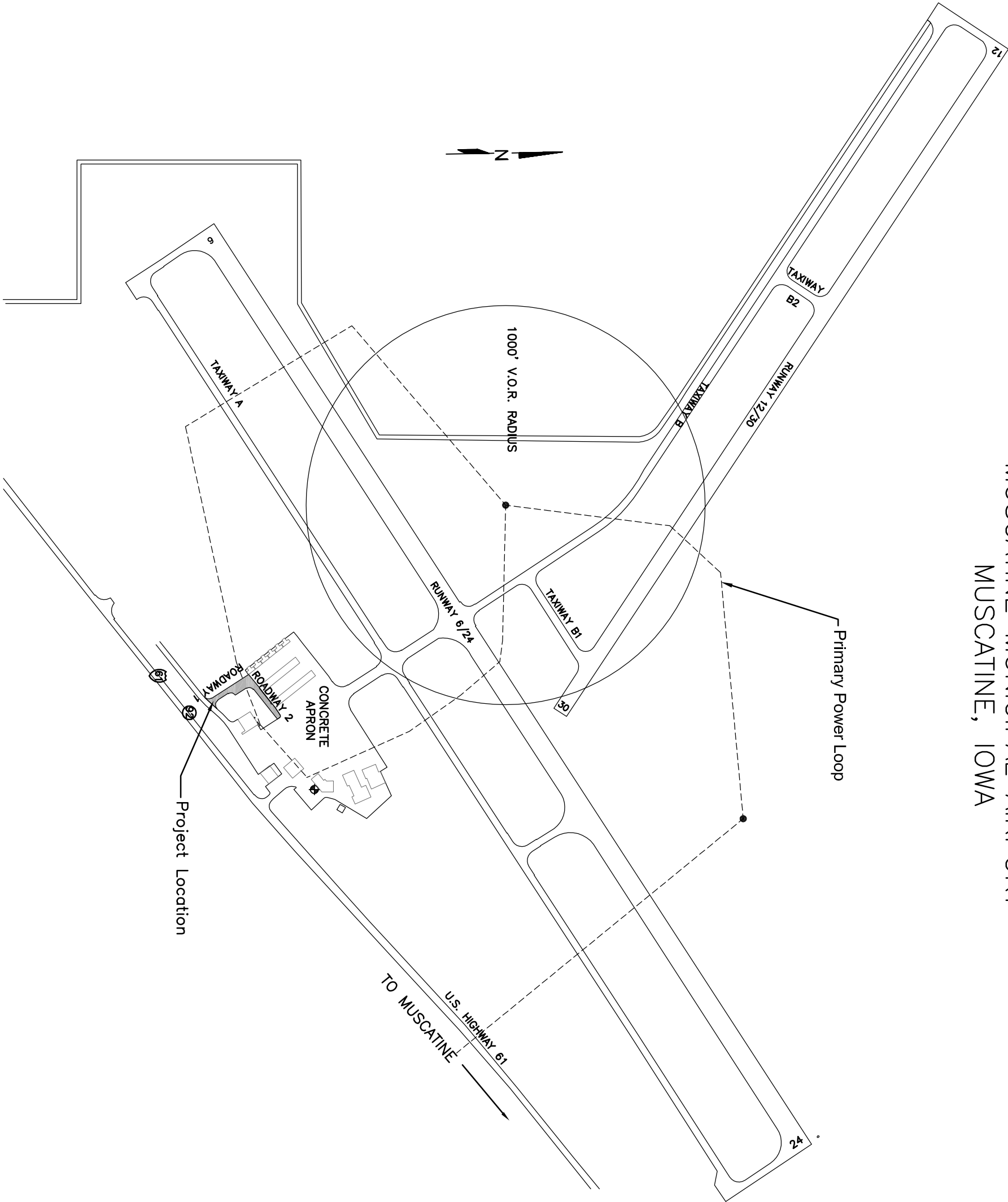


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	I hereby certify that this Engineering document was prepared by me or under my direct personal supervision and that I am a duly Licensed Engineer under the laws of the State of Iowa. Jayne C. DeCoste Iowa Reg No. 14042 My License renewal date is December 31, 2016 Pages covered by this seal: <u>ALL</u>
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MUSCATINE MUNICIPAL AIRPORT
MUSCATINE, IOWA



ESTIMATED QUANTITIES			
NO.	DESCRIPTION	UNIT	QUANTITY
1	EXCAVATION	CY	683
2	PAVEMENT REMOVAL	SY	36
3	TOPSOIL STRIP, SALVAGE, AND SPREAD	CY	337
4	COMPACTION OF SUBGRADE	SY	2,021
5	GRANULAR SUBBASE	SY	2,021
6	STD/S-F PCC PAVEMENT, 7", CLASS C	SY	1,778
7	MOBILIZATION	LS	1
8	ENGINEERING FABRIC	SY	2,021
9	SEED, FERTILIZE & MULCH	AC	0.4
10	EROSION CONTROL	LS	1
11	SILT FENCE, INSTALL & REMOVE	LF	180
12	CONSTRUCTION STAKING	LS	1
13	COMPACTION TESTING	LS	1
14	PCC PAVEMENT SAMPLES AND TESTING	LS	1
15	HANDHOLE	EACH	1
16	BOLLARD	EACH	2

NO.	REVISION	DESCRIPTION	APPROVED	DATE

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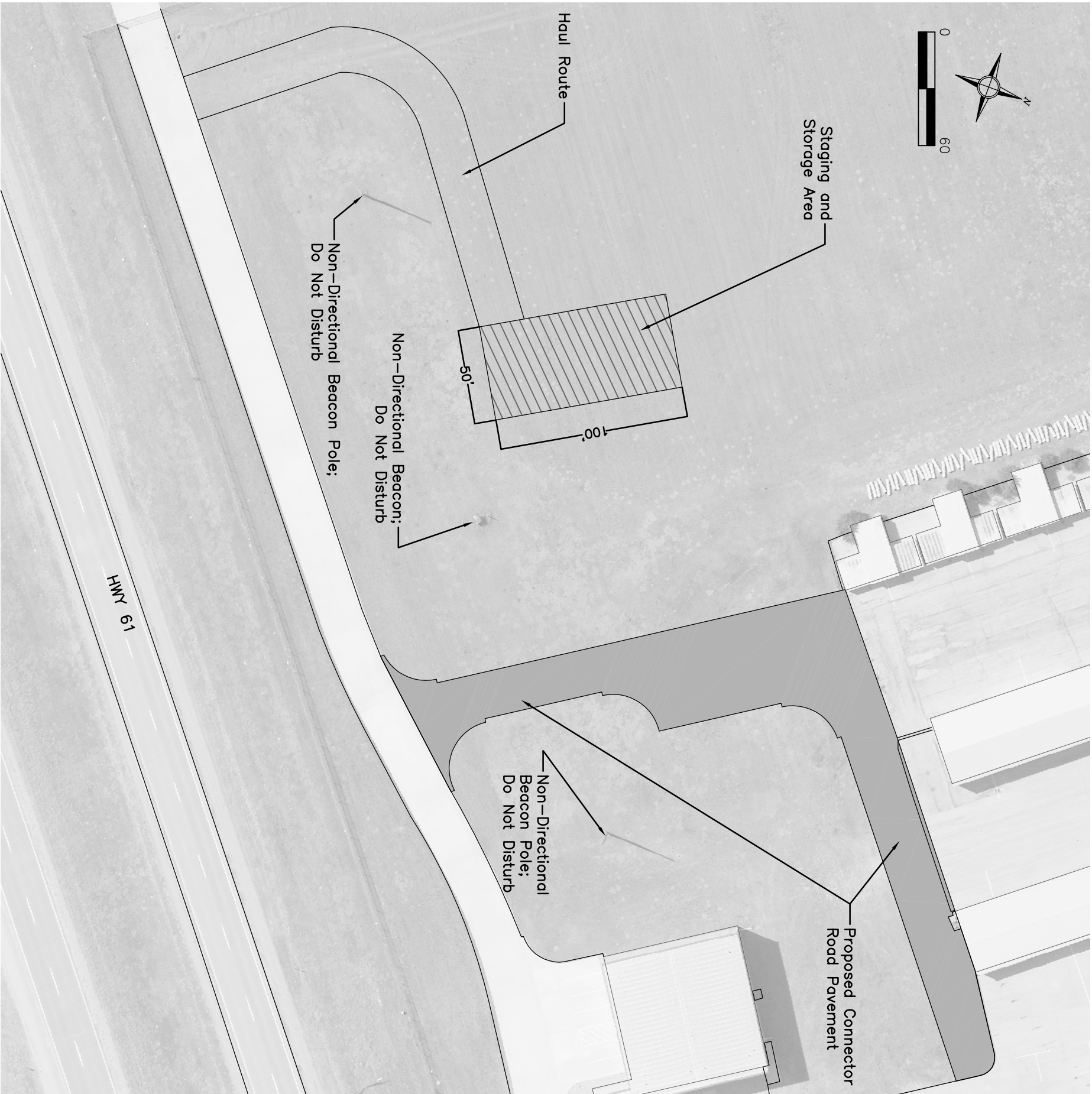


Drawn By: MJP
Date: 6/18/15
Project No. 214112

Approved By: JCD
Scale:

Connector Road Between
Hanger Access Road and
T-Hangers

Project Location Map and
Quantity Tabulation



SAFETY NOTES

1. All construction activities shall be coordinated with the airport manager.
2. Contractor shall access the site at the National Guard Armed Services Center Driveway, unless Engineer or Airport Manager has given permission to use a different route. Contractor shall coordinate with FBO for access.
3. Contractor shall not enter the Runway Safety Area (RSA). Any person or persons entering a runway safety area without prior permission of the airport manager shall be removed from the project site for the duration of the project.
4. all construction activities and construction personnel shall remain within the designated project site area as set out by the project engineer and the FBO.
5. The contractor shall stay out of the V.O.R. 1000' radius.
6. if the contractor plans to use any equipment over 20 feet in height, the contractor shall provide notice to the FAA.
7. Prior to construction, the Contractor shall be responsible for ascertaining the location of all existing utilities on or near the proposed project site. Contractor shall notify all utility companies for locations prior to construction and meet all requirements of utility companies.
8. Construction equipment, with the exception of light trucks, shall not be allowed on the existing airport pavements, unless permitted by the engineer.
9. The Contractor shall provide barriers to the construction area as follows: All airside barricades shall consist of low lighted barricades which area no higher than 24" above an existing airport pavement surface. Barricades shall be required for any area affected by construction that is normally accessible to aircraft. Barricades must remain in place when subjected to typical winds, prop wash, and jet blast. The spacing of barricades shall prevent a breach, barring a deliberate act. Red lights meeting the luminance requirements of the Iowa DOT shall be used. For all other areas, orange construction fence shall be used as a barricade.
10. When any contractor vehicle must travel over any portion of an aircraft movement area during daylight hours, the vehicle must have a flag or beacon attached to it. During hours of darkness or reduced visibility, vehicles must be equipped with a flashing dome-type light, the color of which is in accordance with local or state codes.
11. Contractor shall be the Staging/Storage Area shown on the plan view of this sheet. Contractor shall not access the Staging/Storage Area by driving across the aircraft apron.
12. Construction contractor personnel engaged in activities involving unescorted operation on aircraft movement areas shall comply with the proper procedures for communications, including using appropriate radio frequencies and maintaining radio contact with the FBO.
13. The contractor shall carefully control and continuously remove waste or loose materials that have the potential to attract wildlife and must avoid construction activities that could create wildlife hazards at the airport.
14. Waste and loose materials, commonly referred to as FOD (Foreign Object Debris), are capable of causing damage to aircraft; therefore, the contractor shall continuously remove FOD on or near active aircraft movement areas.
15. The contractor shall be responsible to expeditiously contain and clean-upspills resulting from fuel or hydraulic fluid leaks in compliance with federal, state, and local laws.
16. The contractor shall perform a daily inspection to ensure conformance with the safety and staging plan. Contractor noncompliance with the safety plan shall be documented by the engineer. Price adjustments may be applied for failure to comply with traffic control and safety requirements. These price adjustments will be determined by the project engineer based on the magnitude and frequency of the violations and in accordance with the Iowa Department of Transportation Construction Manual Chapter 2.53, Section F. Traffic Control.

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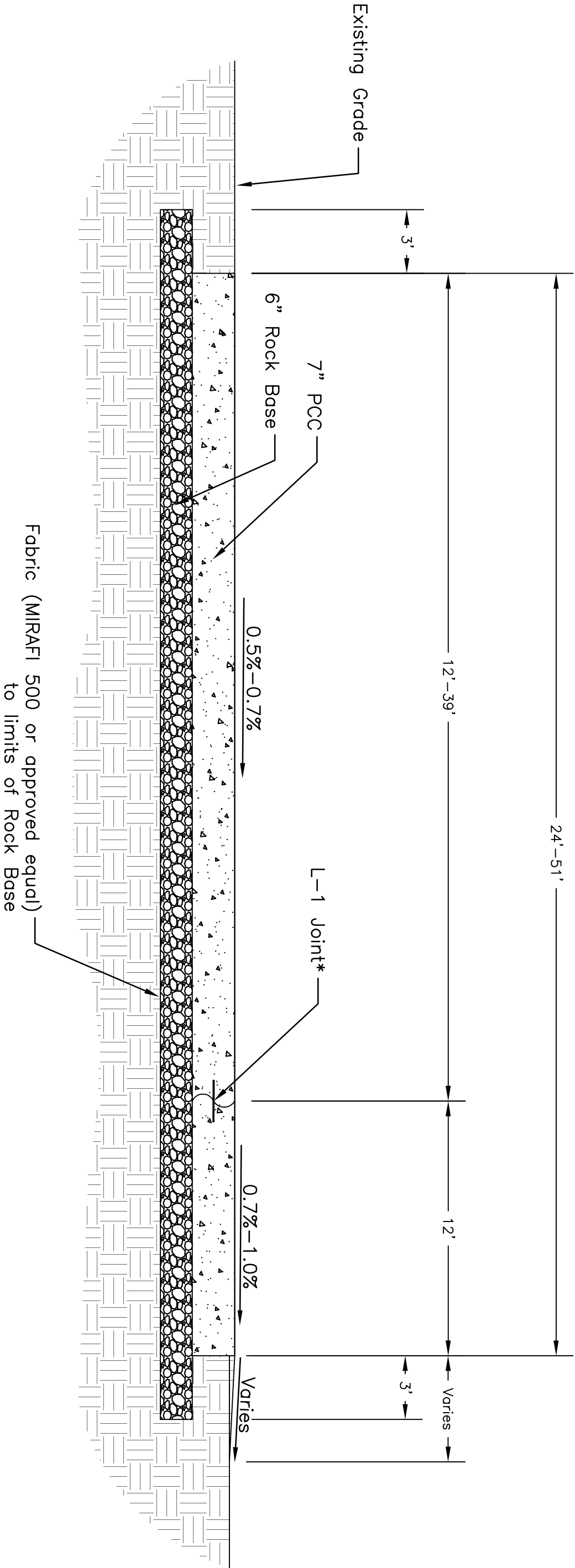
Drawn By: MJP
Date: 6/18/15
Project No. 214112

Approved By: JCD
Scale:

Connector Road Between
Hanger Access Road and
T-Hangars

Safety and Staging Plan

SHEET NO.
of
A.03
A.03



Typical Cross Section — Roadway 1

* See Jointing Plan, Sheet L.01
for Additional Jointing Details

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Typical Cross Section

SHEET NO.
B.01
of
B.02

NO.	REVISION DESCRIPTION	APPROVED	DATE		

Client: City of Muscatine
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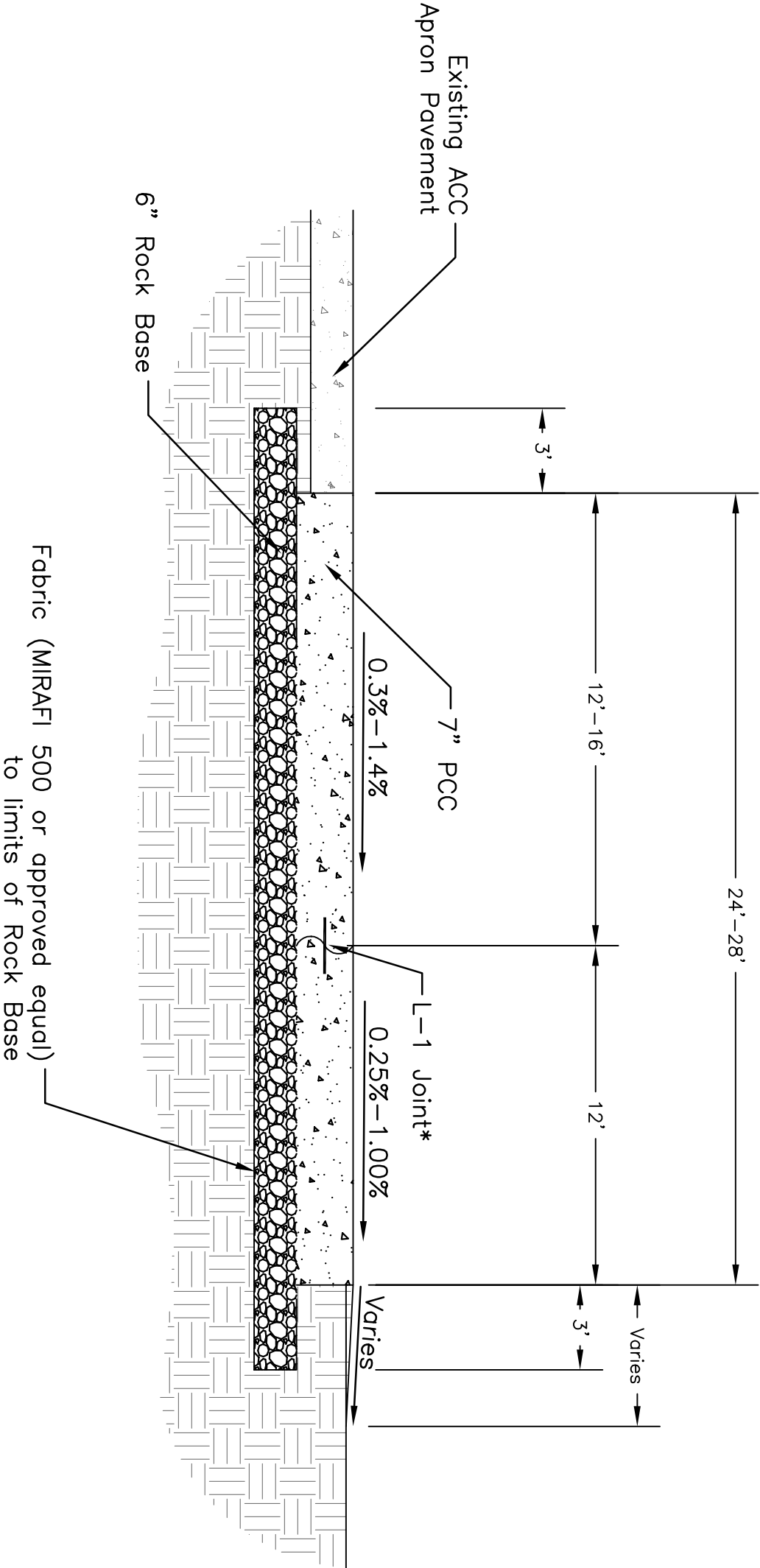
Connector Road Between
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Typical Cross Section

SHEET NO.
B.02
of
B.02

Typical Cross Section – Roadway 2

* See Jointing Plan, Sheet L.01
for Additional Jointing Details



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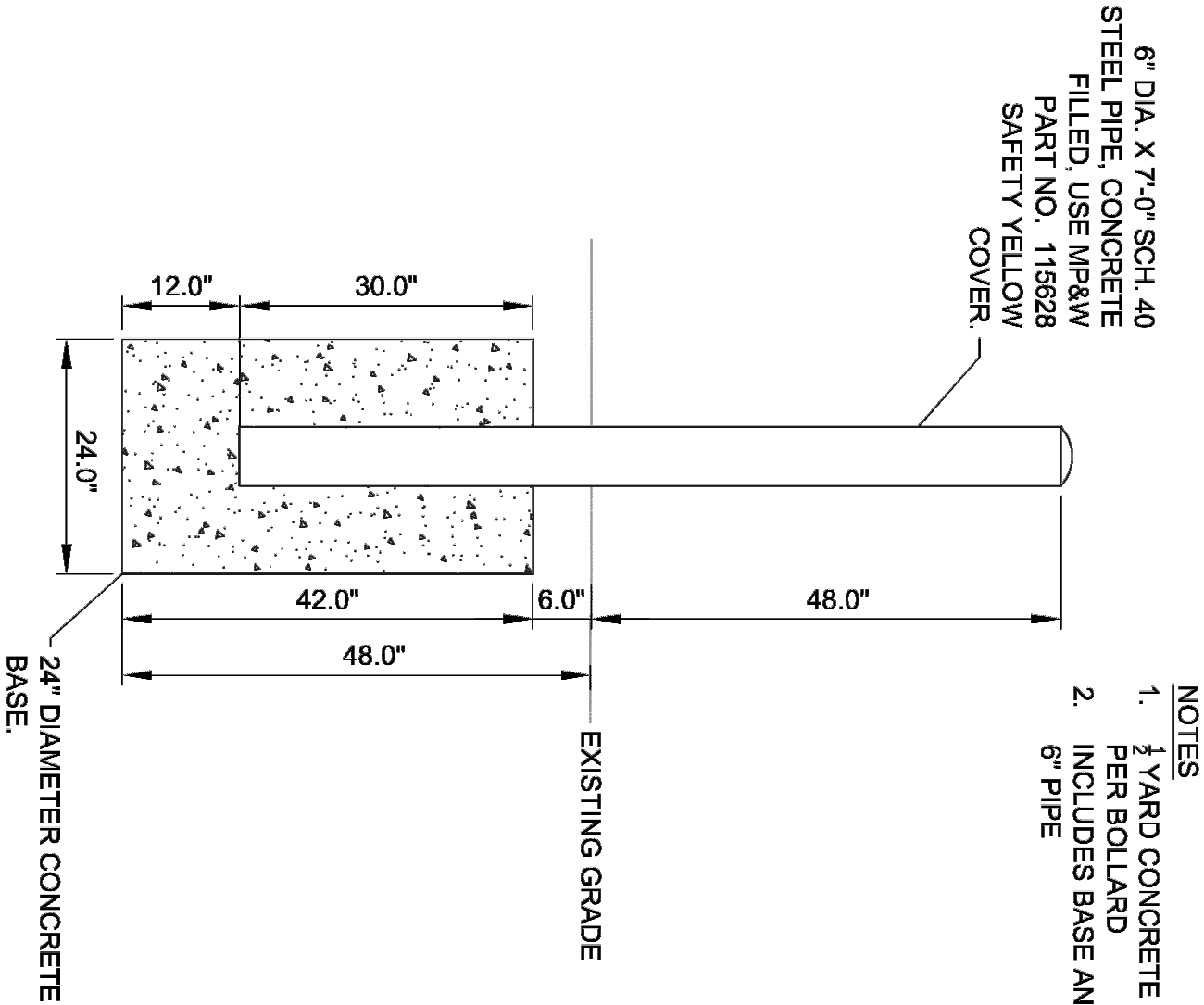
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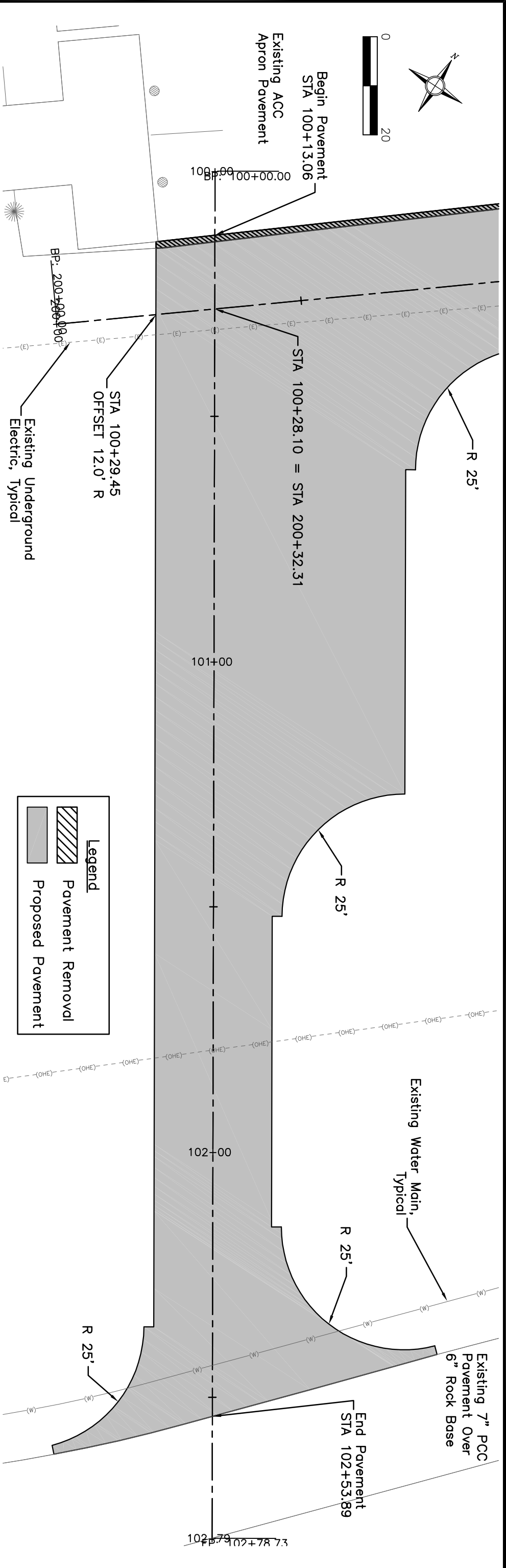
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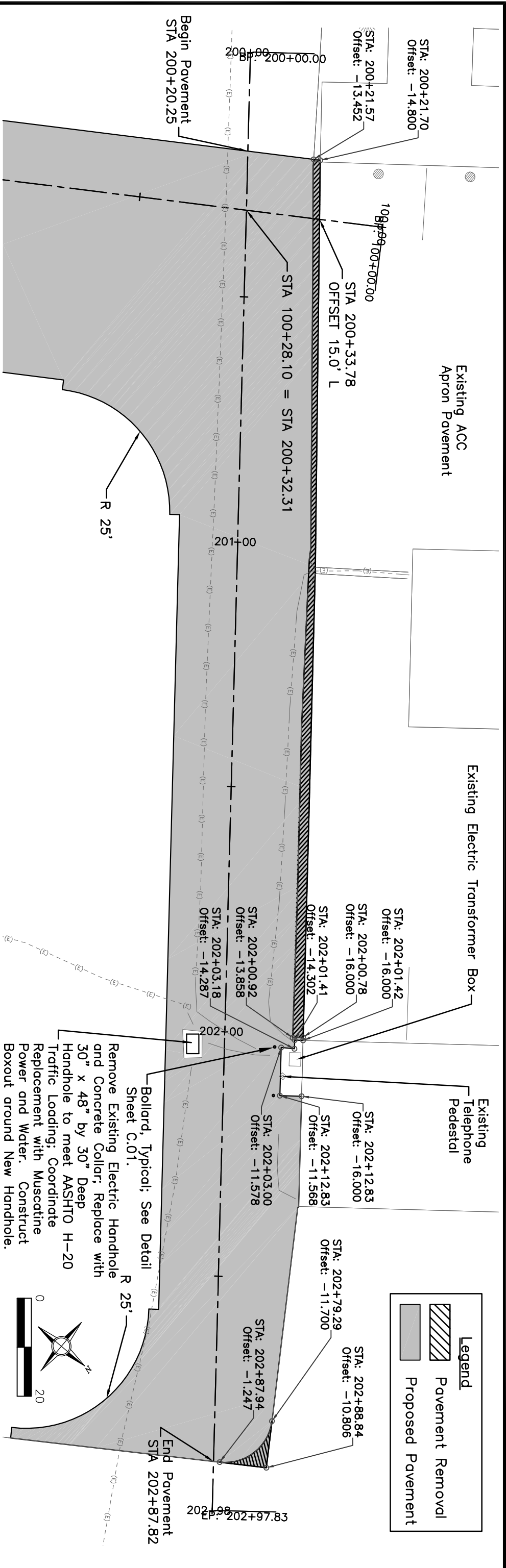
General Details

SHEET NO.
C.01
of
C.01

DWG BY: SAW	DATE: 06/10/04	APP: TR 7/18/04	FILE 147
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1	ADDED MP&W PART NO. 115628	AJH	TR 9/21/07
2	ADDED CONCRETE NOTE	AJH	TR 12/31/08
			UG GUIDE DRAWING BOLLARD DETAIL
Muscatine Power & Water			GUIDE No 2GUIDE18









ALIGNMENT DATA				
ALIGNMENT NAME	POINT	STATION	NORTHING	EASTING
Roadway 1	BP	100+00.0	505244.60	2286430.65
	EP	102+78.73	505010.51	2286581.94

ALIGNMENT DATA				
ALIGNMENT NAME	POINT	STATION	NORTHING	EASTING
Roadway 2	BP	200+00.0	505200.89	2286420.62
	EP	202+97.83	505386.28	2286653.71

SURVEY CONTROL DATA				
POINT NO.	NORTHING	EASTING	ELEVATION	DESCRIPTION
1	505346.37	2286653.03	546.21	1/2" REBAR
2	505081.92	2286561.10	545.37	1/2" REBAR
3	505394.32	2287098.79	549.12	1/2" REBAR
5	505573.43	2286358.79	545.04	1/2" REBAR
16	505256.96	2286566.03	545.34	1/2" REBAR

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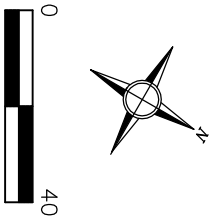
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Survey Control Data

SHEET NO.
G.01
of
G.01



Notes:
Refer to I.D.O.T. Standard Road
Plan PV-101 for Joint Details.
See Sheet L.03-L.04

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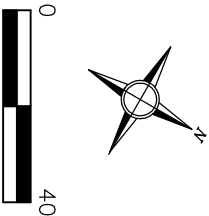
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Pavement Jointing Plan
and Details

SHEET NO.
L.01
or
L.04



Spot Elevations - Roadway 1			
Point No.	Station	Offset	Elevation
1	100+14.41	12.00 R	545.06
2	100+40.15	12.00 R	545.01
3	100+44.0	12.00 L	545.13
4	100+44.0	39.00 L	545.24
5	100+44.0	47.48 L	545.27
6	100+60.79	41.00 L	545.32
7	100+63.06	12.00 R	545.02
8	100+63.06	12.00 L	545.17
9	100+63.06	39.00 L	545.30
10	100+88.06	12.00 R	545.03
11	100+88.06	12.00 L	545.19
12	100+88.06	39.00 L	545.33
13	101+13.06	12.00 R	545.04
14	101+13.06	12.00 L	545.20
15	101+13.06	39.00 L	545.34
16	101+26.91	39.00 L	545.35
17	101+34.24	21.32 L	545.26
18	101+38.06	12.00 R	545.06
19	101+38.06	12.00 L	545.22
20	101+51.91	14.00 L	545.29
21	101+63.06	12.00 R	545.07
22	101+63.06	12.00 L	545.27
23	101+88.06	12.00 R	545.09
24	101+88.06	12.00 L	545.29
25	102+13.06	12.00 R	545.40
26	102+13.06	12.00 L	545.60
27	102+15.23	14.00 L	545.60
28	102+35.02	23.73 L	546.16
29	102+35.67	14.00 R	545.78
30	102+35.67	12.00 R	545.80
31	102+35.67	12.00 L	546.04
32	102+39.41	45.34 L	546.44
33	102+50.60	12.00 L	546.35
34	102+50.94	19.21 R	546.04
35	102+53.89	0.00 R	546.31
36	102+57.15	12.00 R	546.28
37	102+59.85	32.66 R	546.23

Spot Elevations - Roadway 2			
Point No.	Station	Offset	Elevation
1	200+21.70	14.80 L	545.06
38	200+45.25	15.13 L	545.24
39	200+43.18	12.00 R	545.14
40	200+70.25	15.49 L	545.34
41	200+67.54	12.00 R	545.22
42	200+94.78	14.00 R	545.32
43	200+94.78	12.00 R	545.33
44	200+95.25	15.84 L	545.44
45	201+20.25	12.00 R	545.47
46	201+20.25	15.99 L	545.62
47	201+45.25	12.00 R	545.62
48	201+45.25	16.00 L	545.78
49	201+70.25	12.00 R	545.73
50	201+70.25	16.00 L	546.04
51	201+95.25	12.00 R	545.88
52	201+95.25	16.00 L	546.14
53	202+20.25	12.00 R	545.97
54	202+20.25	16.00 L	546.11
55	202+45.25	12.00 R	545.94
56	202+45.25	14.90 L	545.95
57	202+57.08	14.00 R	545.95
58	202+70.25	12.55 L	545.71
59	202+70.25	12.00 R	545.96
60	202+75.56	22.16 R	546.05
61	202+81.97	41.31 R	546.16
62	202+86.71	12.00 R	545.99
63	202+87.86	0.00 R	545.85
64	202+88.84	10.81 L	545.72

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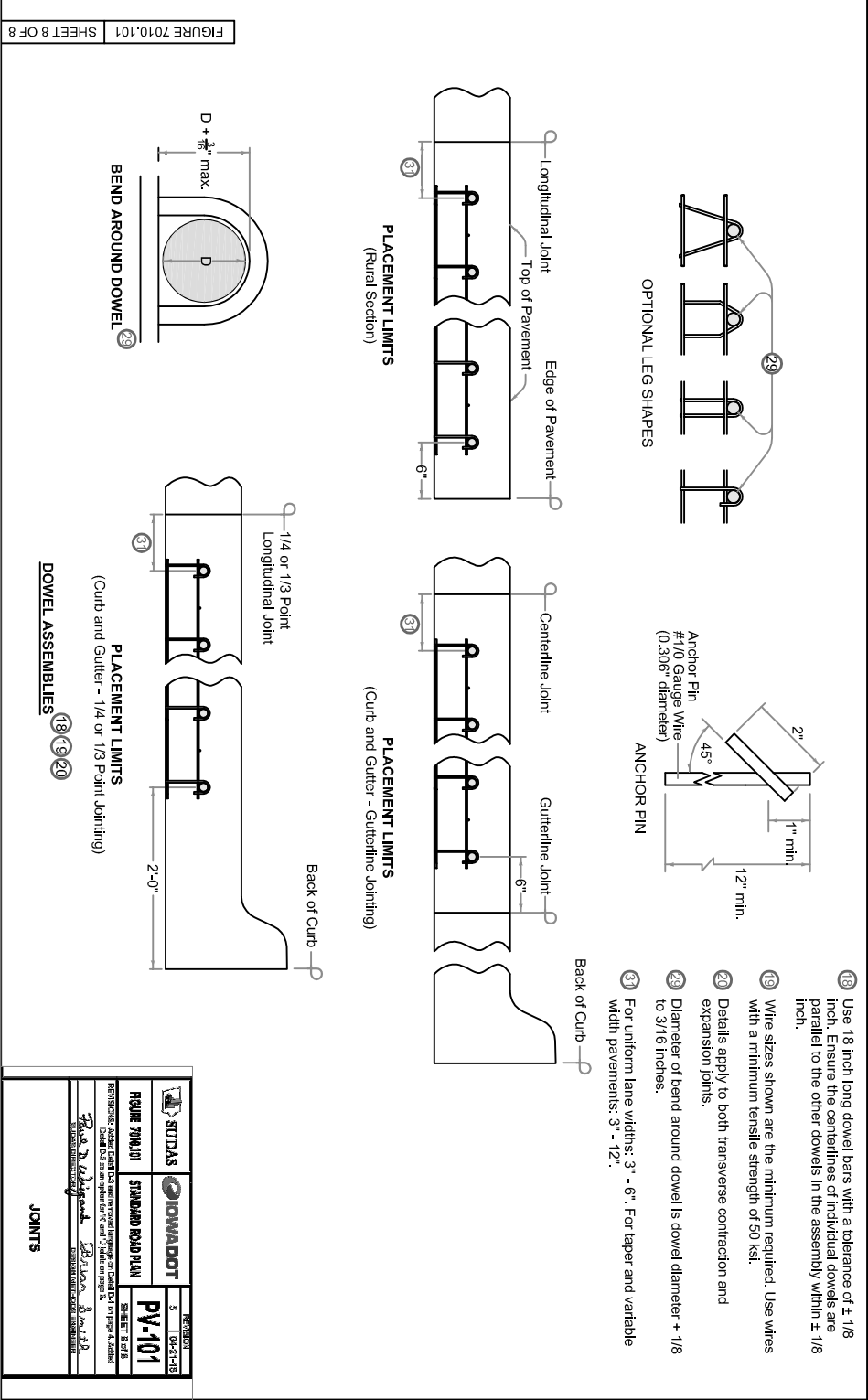
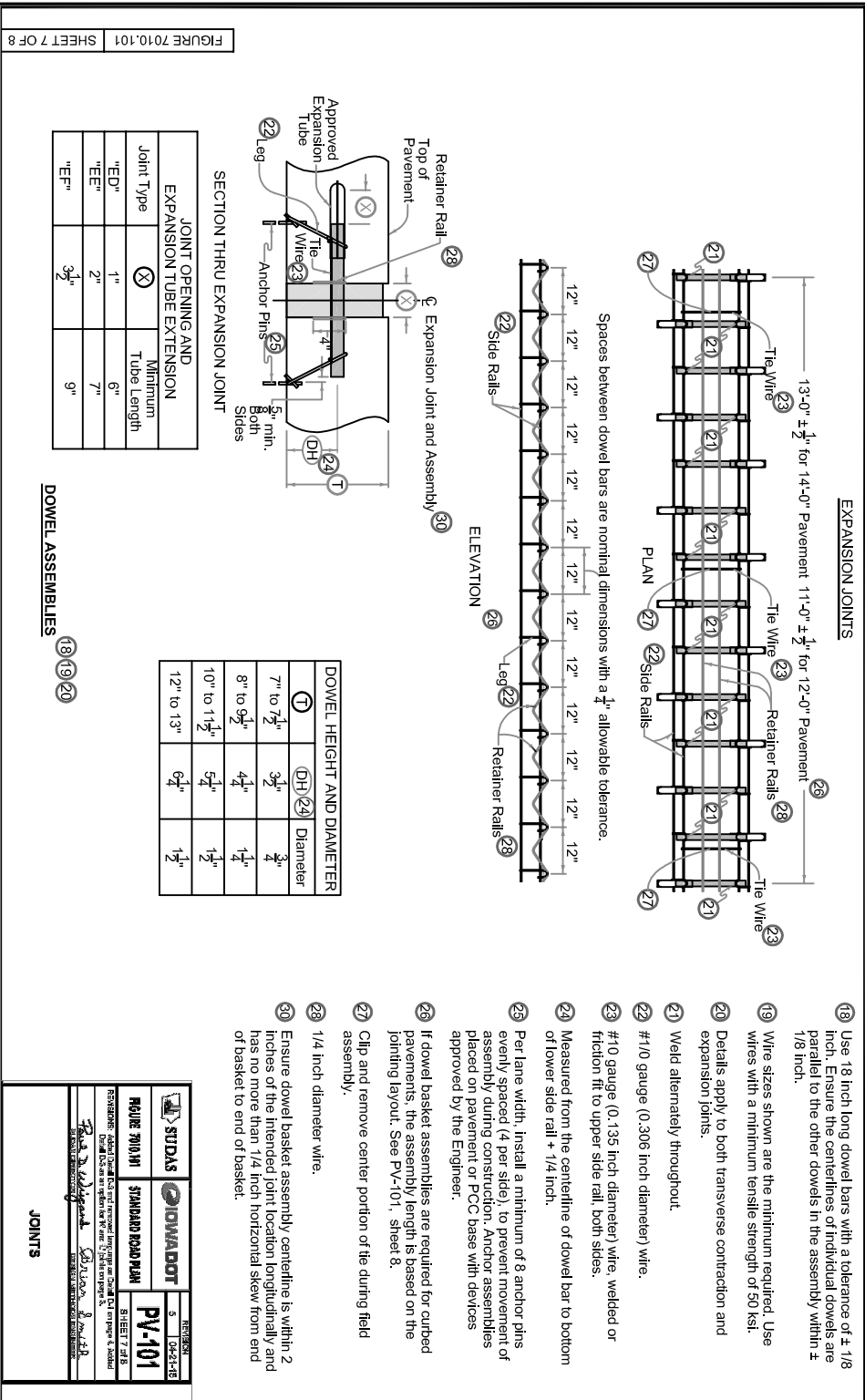
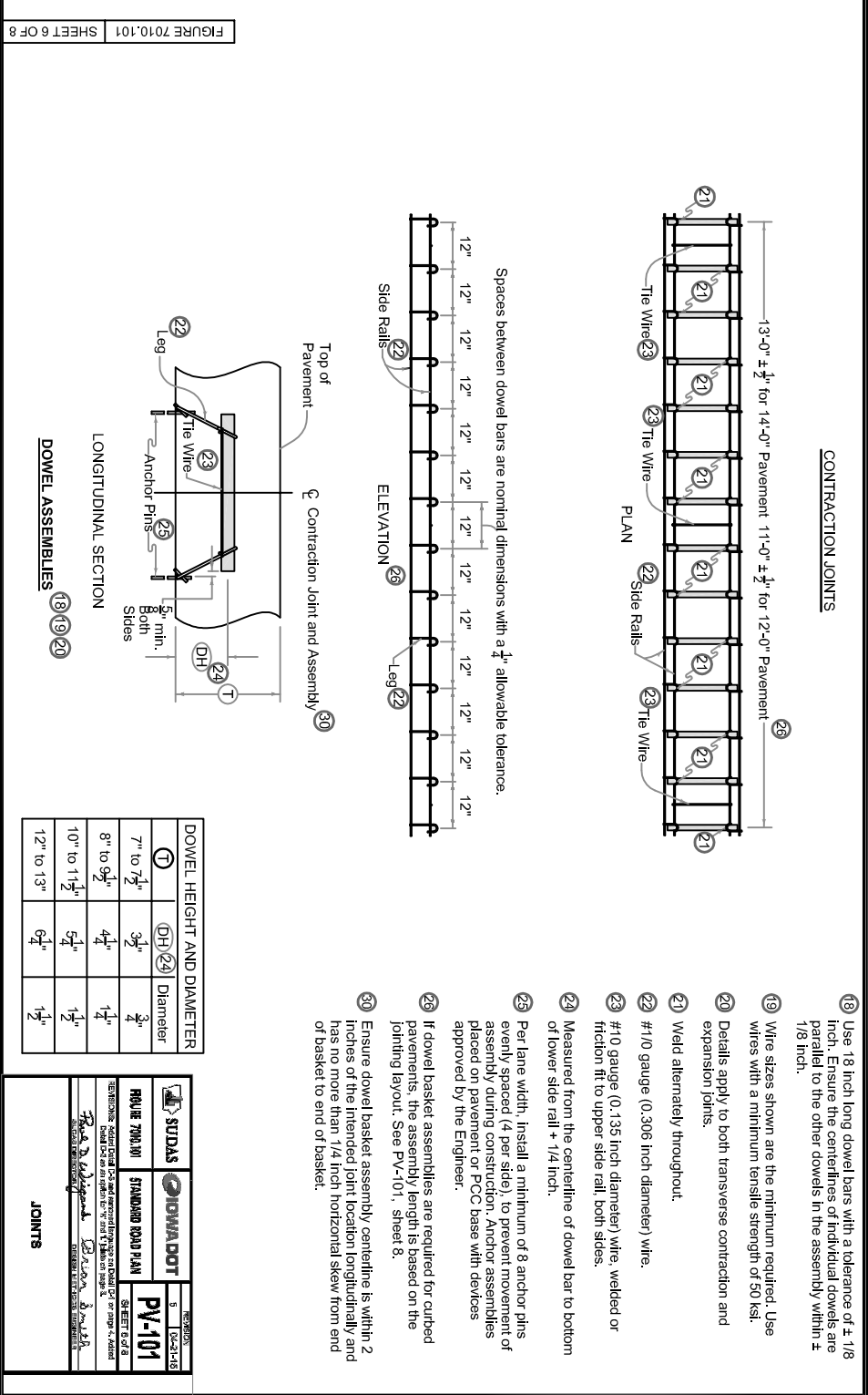
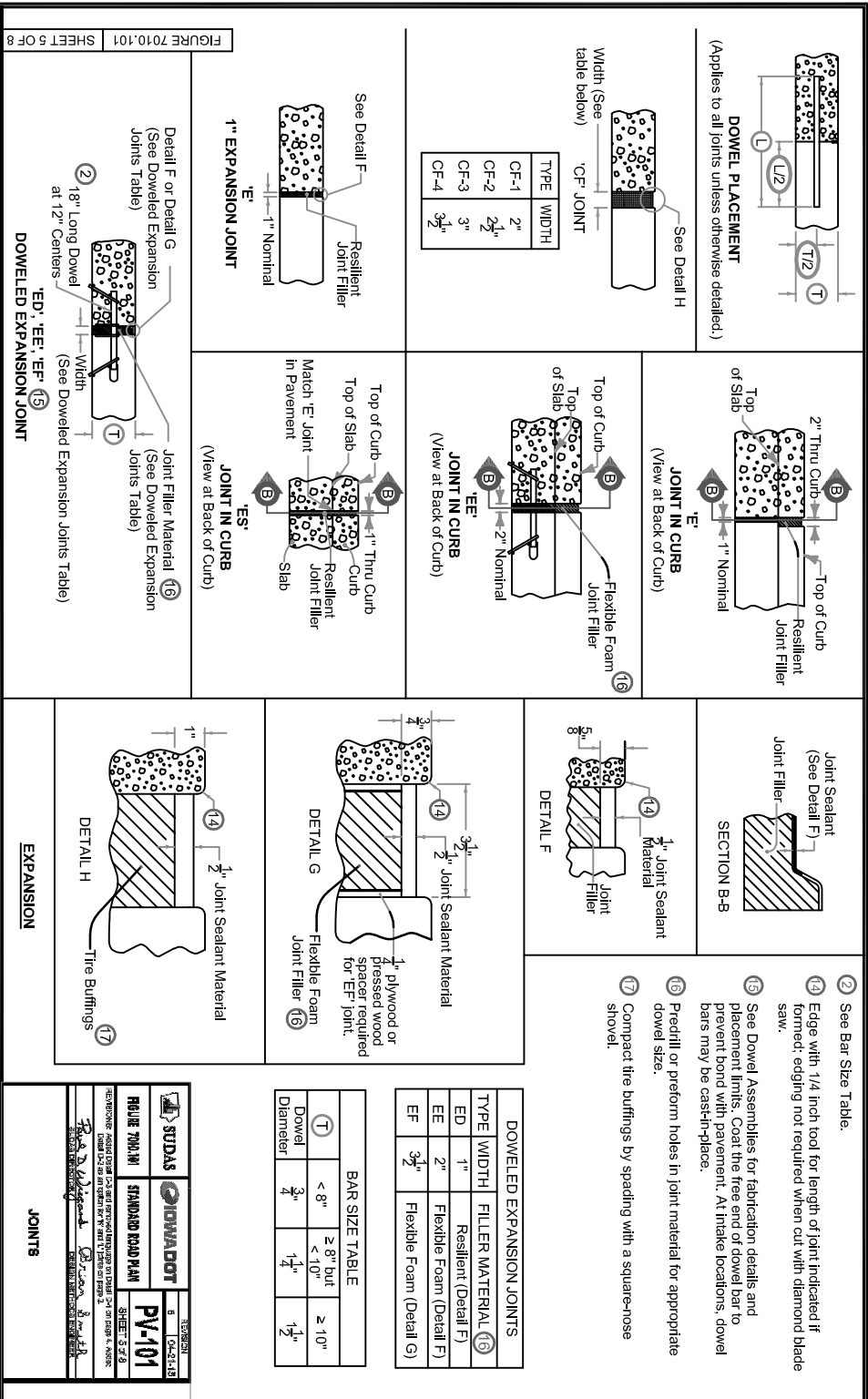


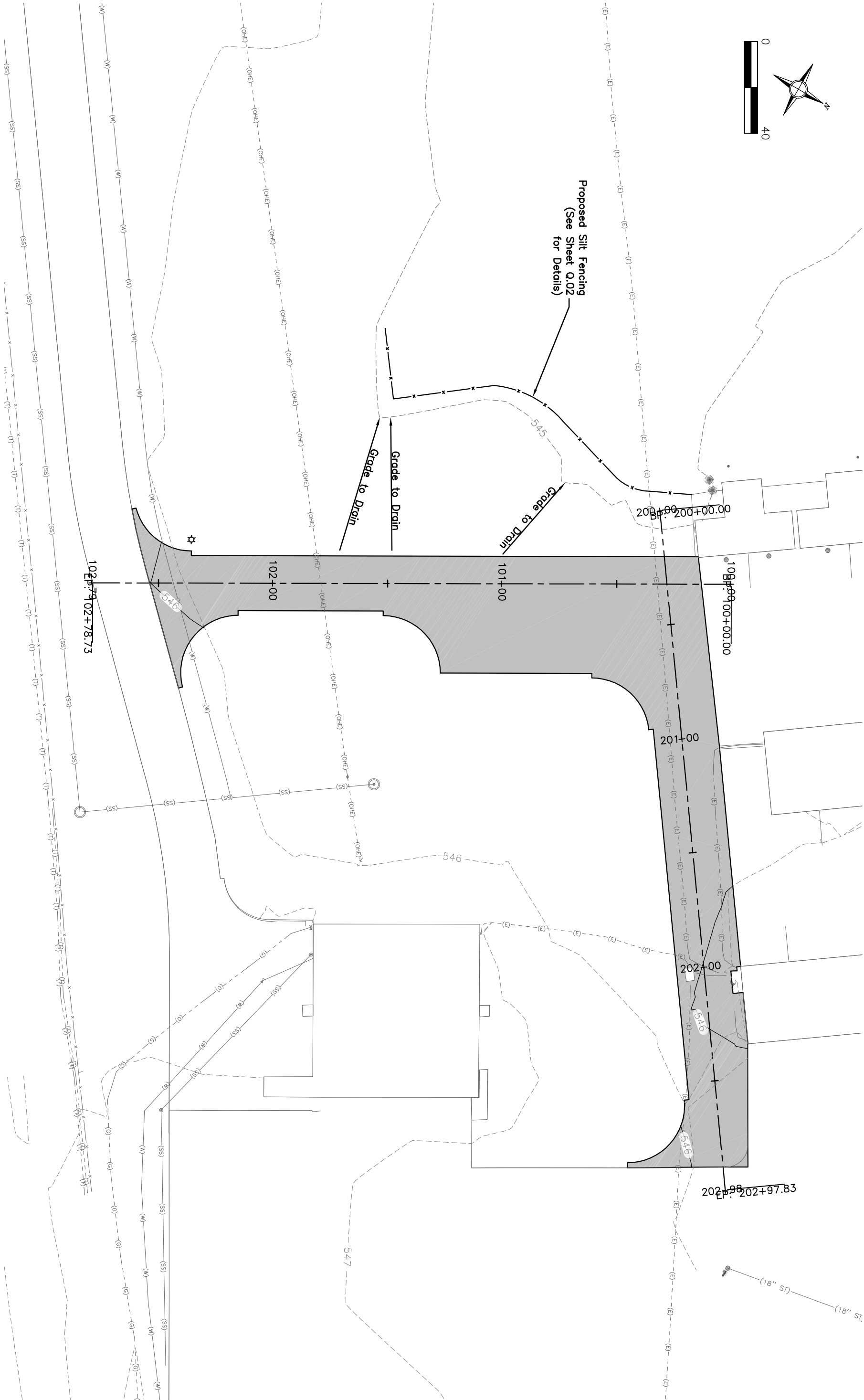
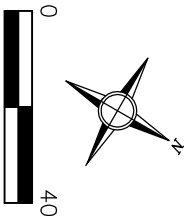
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Pavement Jointing Plan
and Details





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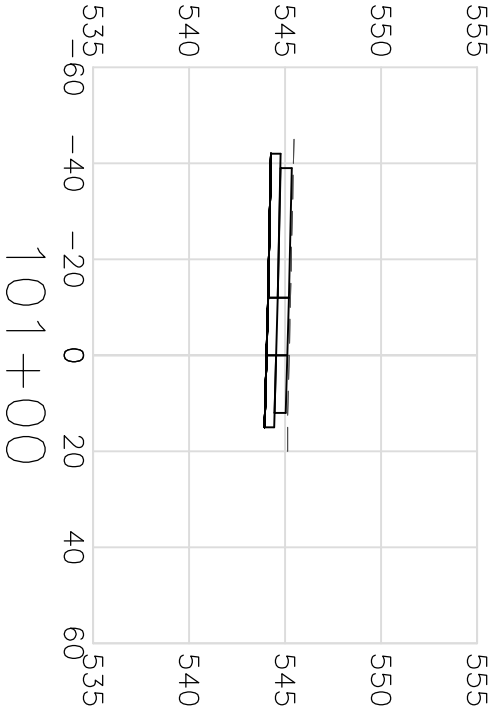
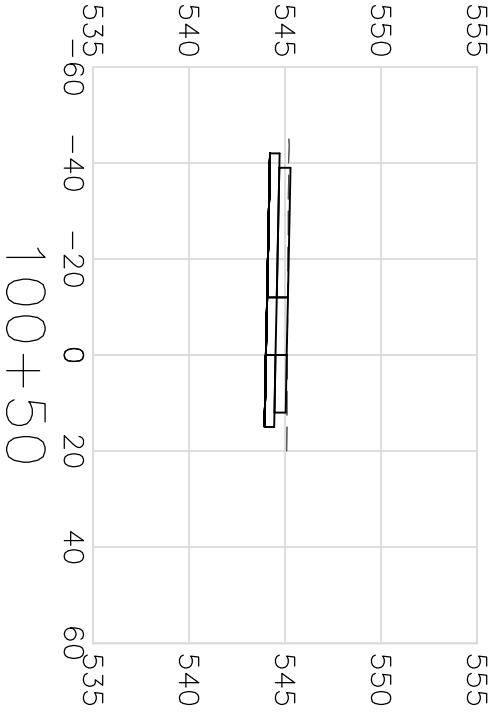
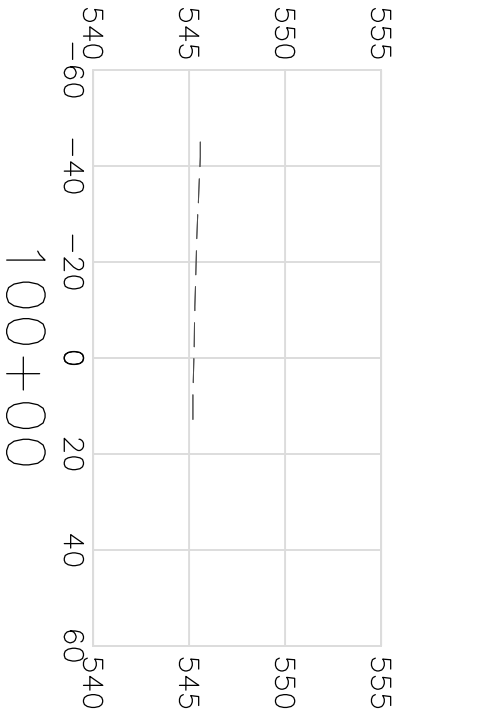
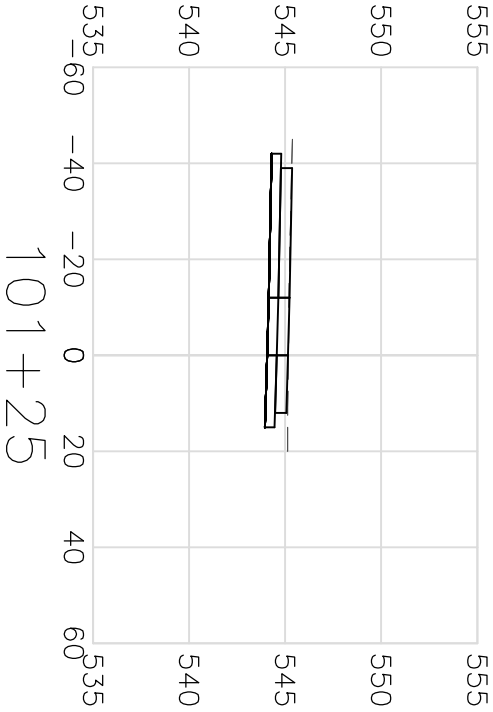
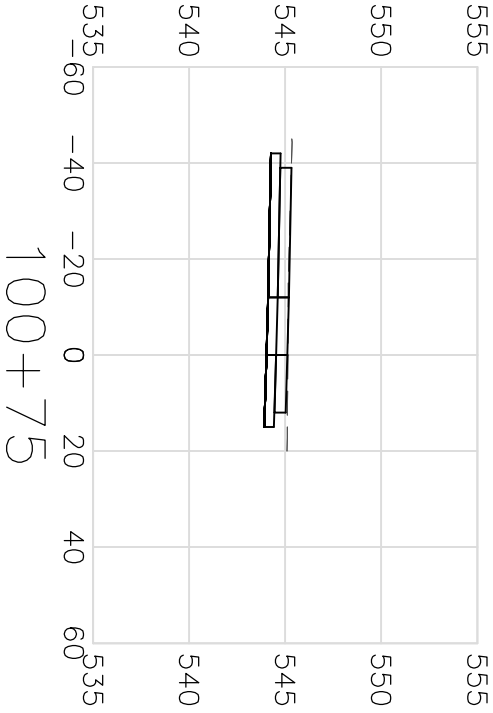
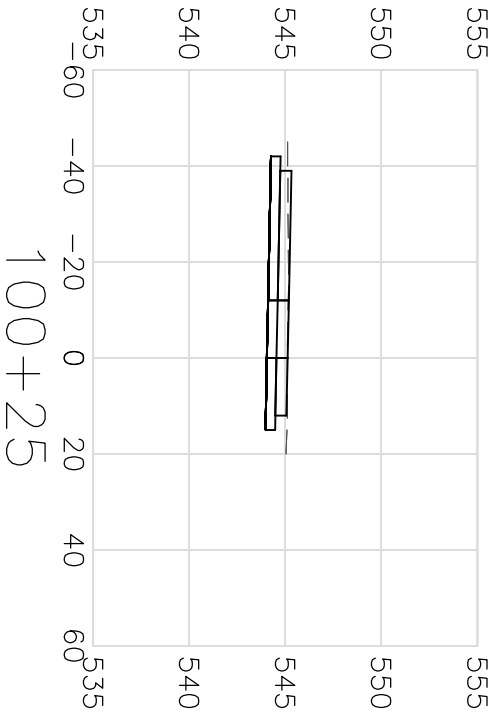
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Grading and Erosion
Control Plan

SHEET NO.
Q.01
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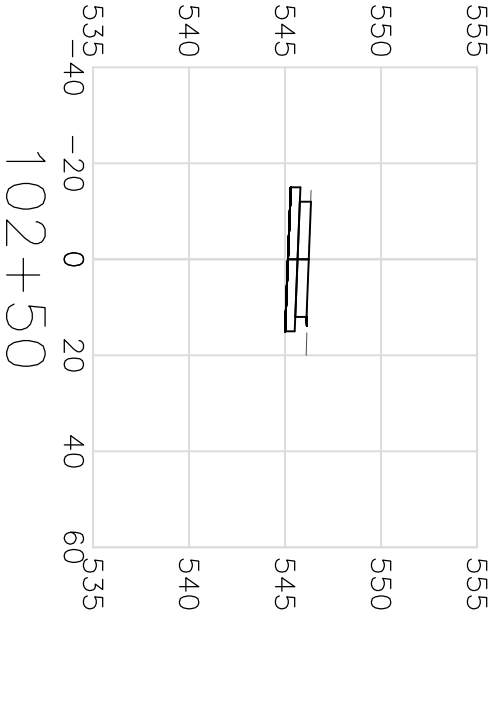
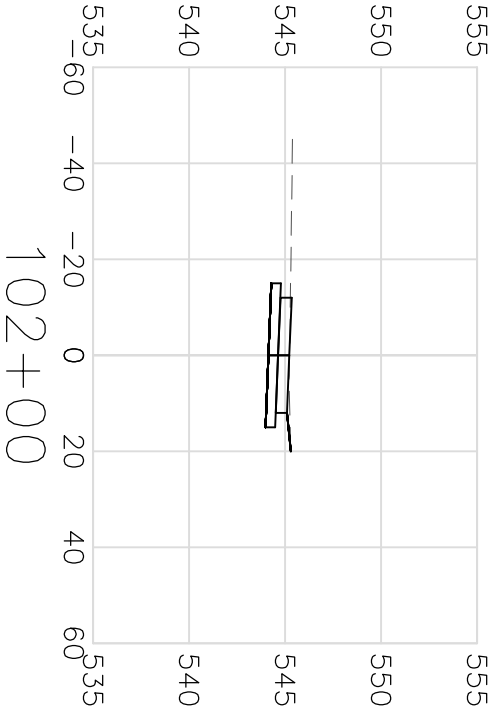
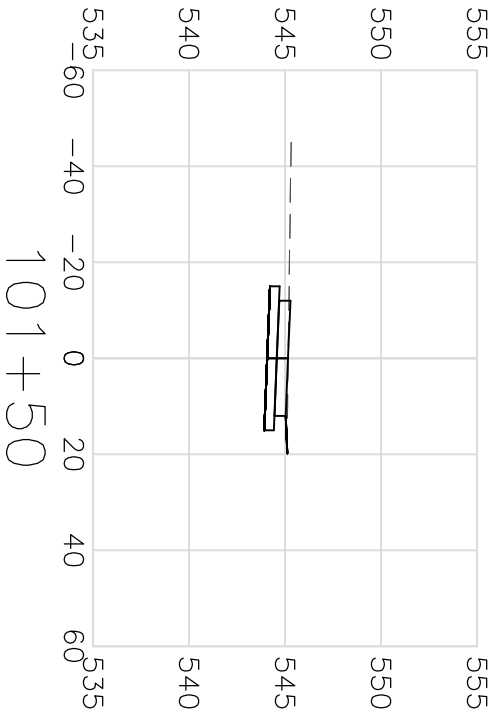
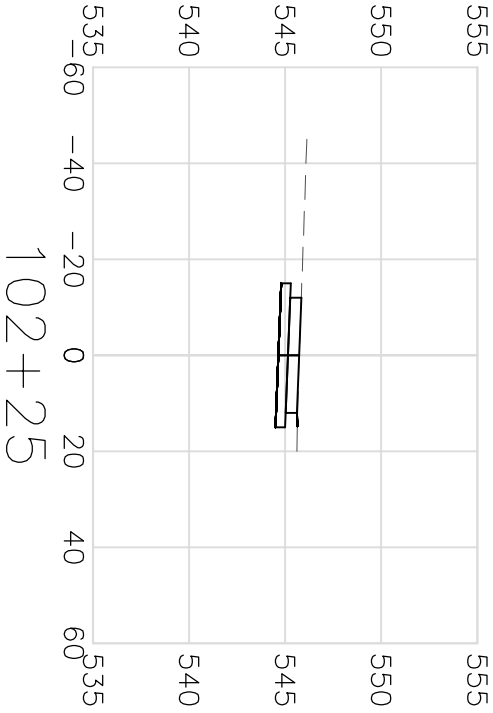
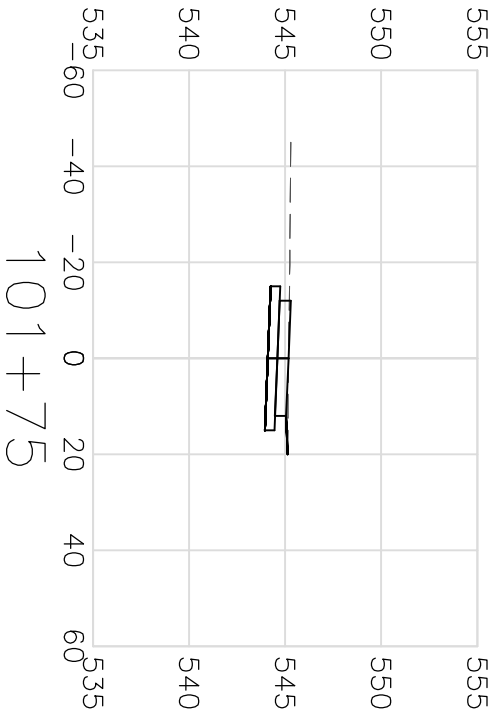


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Roadway 1
Cross Sections



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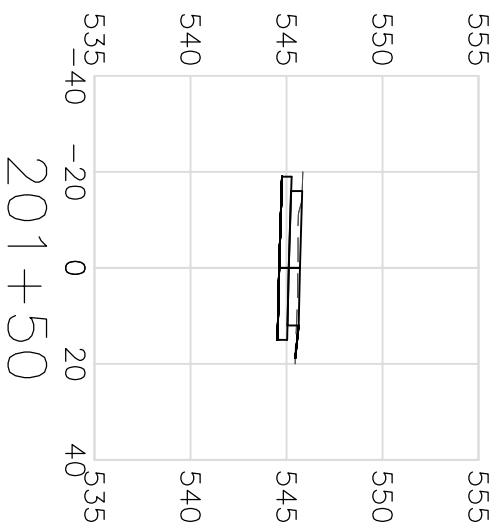
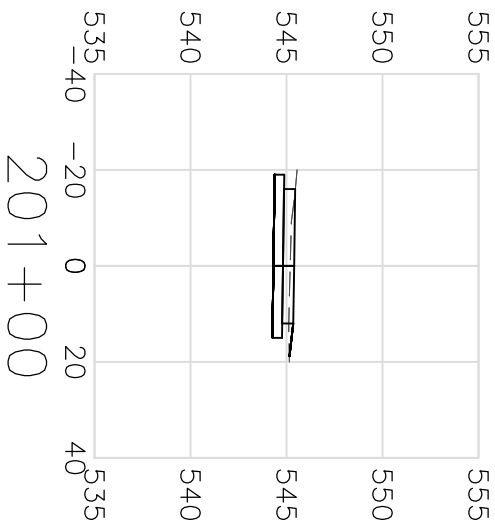
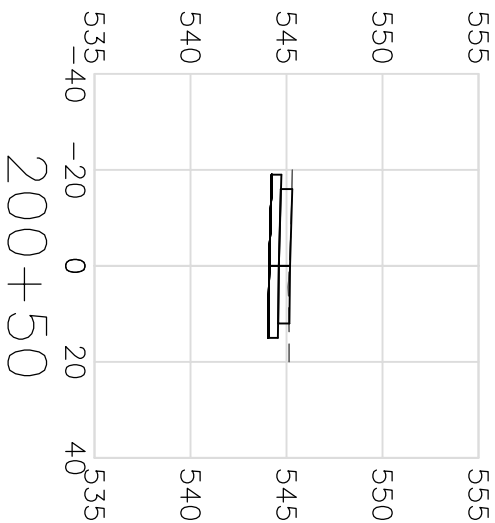
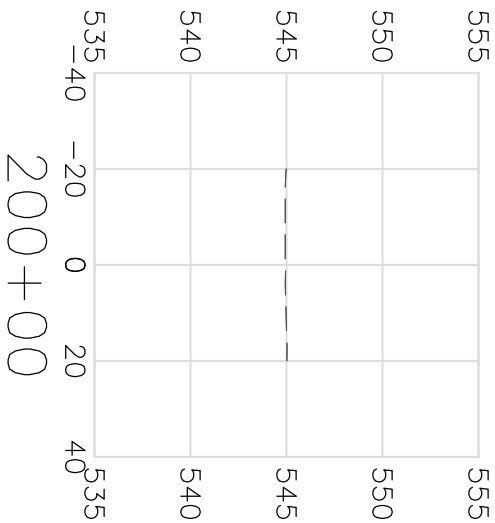
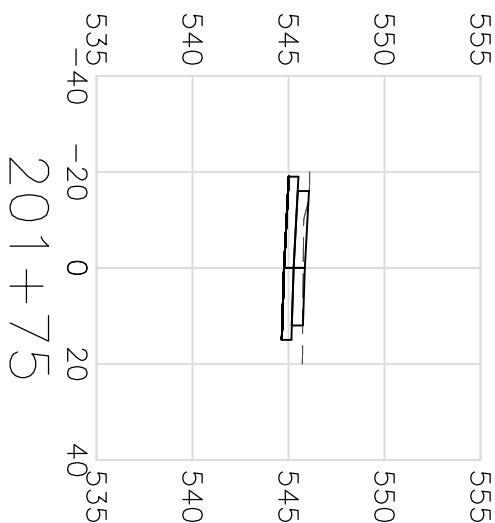
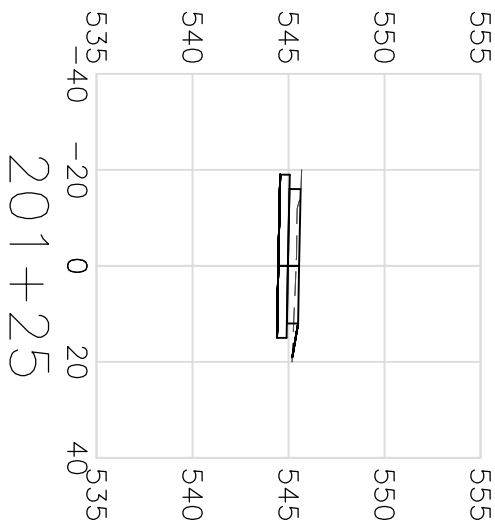
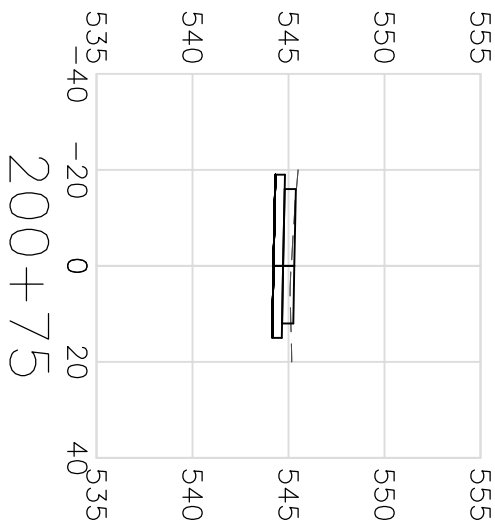
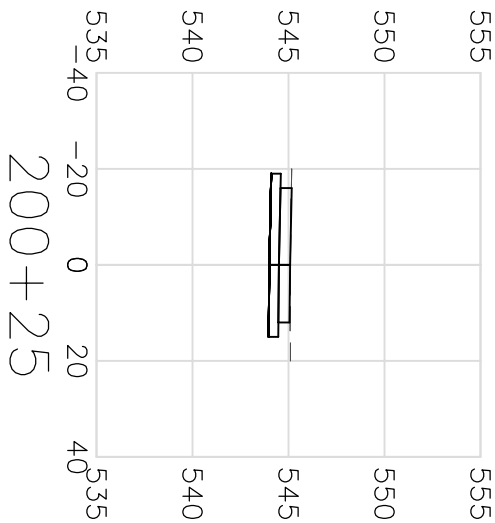


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Roadway 1
Cross Sections



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			/
			/
			/
			/
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ANDERSON BOGERT

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Connector Road Between Hanger Access Road and T-Hangars	Roadway 2 Cross Sections
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SHEET NO. X.03 OF X.04
